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CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Ophthalmology

ACADEMIC APPOINTMENTS

- Clinical Professor, Ophthalmology

HONORS AND AWARDS

- AOA, University of North Carolina at Chapel Hill (2001)
- Honor Award, American Academy of Ophthalmology (1993)
- Stanford Ophthalmology Resident Teaching Award, Stanford University School of Medicine (2009)

PROFESSIONAL EDUCATION

- Fellowship: Massachusetts Eye and Ear Infirmary Ophthalmic Training (1978) MA
- Internship: California Pacific Medical Center Internal Medicine Residency (1973) CA
- Fellowship, Mass Eye & Ear Infirmary, Harvard, and Retina Associates, Boston, MA , Vitreoretinal Surgery (1978)
- Medical Education: University of North Carolina at Chapel Hill (1972) NC
- Board Certification: Ophthalmology, American Board of Ophthalmology (1978)
- Residency, Ochsner Clinic, New Orleans, LA , Ophthalmology (1976)
- Residency: Alton Ochsner Med Foundation (1976) LA
- Internship, San Francisco Childrens Hospital and Adult Medical Center , Internal Medicine (1973)
- MD, University of North Carolina at Chapel Hill , Medicine (1972)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

-Retinal Vascular Disease

-Angiogenesis
-Retinopathy of Prematurity
-Sustained Release Drug Delivery Systems

Publications

PUBLICATIONS

- **Reply to Comment on Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Neurodevelopmental outcome of preterm infants enrolled in myo-inositol randomized controlled trial.** *Journal of perinatology : official journal of the California Perinatal Association*
Adams-Chapman, I., Watterberg, K. L., Nolen, T. L., Hirsch, S., Cole, C. A., Cotten, C. M., Oh, W., Poindexter, B. B., Zaterka-Baxter, K. M., Das, A., Lacy, C. B., Scorsone, A. M., Duncan, et al
2021
- **Effects of Myo-inositol on Type 1 Retinopathy of Prematurity Among Preterm Infants <28 Weeks' Gestational Age: A Randomized Clinical Trial.** *JAMA*
Phelps, D. L., Watterberg, K. L., Nolen, T. L., Cole, C. A., Cotten, C. M., Oh, W., Poindexter, B. B., Zaterka-Baxter, K. M., Das, A., Lacy, C. B., Scorsone, A. M., Walsh, M. C., Bell, et al
2018; 320 (16): 1649–58
- **Prethreshold retinopathy of prematurity: VEGF inhibition without VEGF inhibitors** *JOURNAL OF PERINATOLOGY*
Gaynon, M. W., Wong, R. J., Stevenson, D. K., Sunshine, P.
2018; 38 (10): 1295–1300
- **ROP - Guided Embryology for Retinal Vessels**
Gaynon, M. W.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Correspondence.** *Retina (Philadelphia, Pa.)*
Gaynon, M. W., Wood, E. H., Powers, M. A., Sanislo, S. R.
2018; 38 (5): e36–e37
- **Regarding 'Advances of optical coherence tomography in myopia and pathologic myopia'.** *Eye (London, England)*
Wood, E. H., Powers, M. A., Sanislo, S. R., Gaynon, M. W.
2017
- **Effect of oral niacin on central retinal vein occlusion.** *Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie*
Gaynon, M. W., Paulus, Y. M., Rahimy, E., Alexander, J. L., Mansour, S. E.
2017
- **Potentially Reversible Effect of Niacin Therapy on Edema From Retinal Vein Occlusion** *JAMA OPHTHALMOLOGY*
Rahimy, E., Gaynon, M. W., Paulus, Y. M., Alexander, J. L., Mansour, S. E.
2016; 134 (7): 839-840
- **Peripheral Avascular Retina in a Term Male Neonate With Microvillus Inclusion Disease and Pancreatic Insufficiency** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Paulus, Y. M., Alcorn, D. M., Gaynon, M., Moshfeghi, D. M.
2015; 46 (5): 589-591

- **Complete visual recovery after incipient crao due to ocular hypoperfusion in a patient with moyamoya disease.** *Retinal cases & brief reports*
Lad, E. M., Lad, S. P., Ung, C., Jain, A., Steinberg, G. K., Gaynon, M. W.
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- **Pseudoduplication of the optic disk.** *Retinal cases & brief reports*
Sun, Y., Ng, J. K., Gaynon, M. W.
2011; 5 (2): 144-145
- **Visual disturbance as initial presentation of hairy cell leukemia** *EUROPEAN JOURNAL OF OPHTHALMOLOGY*
Charalel, R. A., Jain, A. K., Rachakonda, L. P., Gaynon, M. W.
2009; 19 (2): 318-320
- **Images in clinical medicine. Macular hemorrhage from bungee jumping.** *New England journal of medicine*
Jain, A. K., Gaynon, M.
2007; 357 (3)
- **Macular hemorrhage from bungee jumping** *NEW ENGLAND JOURNAL OF MEDICINE*
Jain, A. K., Gaynon, M.
2007; 357 (3): E3-E3
- **Rethinking stop-ROP: Is it worthwhile trying to modulate excessive VEGF levels in prethreshold ROP eyes by systemic intervention? A review of the role of oxygen, light adaptation state, and anemia in prethreshold ROP** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Gaynon, M. W.
2006; 26 (7): S18-S23
- **Effect of higher levels of supplemental oxygen on the conversion rate of prethreshold retinopathy of prematurity (ROP) to threshold disease.**
Madan, A., Gaynon, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2001: S683-S683
- **Diffuse unilateral hemorrhagic retinopathy associated with accidental perinatal strangulation - A clinicopathologic report** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Shaikh, S., Fishman, M. L., Gaynon, M., Alcorn, D.
2001; 21 (3): 252-255
- **What can we learn from STOP-ROP and earlier studies?** *PEDIATRICS*
Gaynon, M. W., Stevenson, D. K.
2000; 105 (2): 420-422
- **Retinal Surgery** *Anesthesiologist's Manual of Surgical Procedures*
Gaynon, M.
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Lippincott, Williams & Wilkins.1999; 2: 112-116
- **Supplemental oxygen may decrease progression of prethreshold disease to threshold retinopathy of prematurity.** *Journal of perinatology*
Gaynon, M. W., Stevenson, D. K., Sunshine, P., Fleisher, B. E., Landers, M. B.
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- **Supplemental Oxygen and Light for Prethreshold Retinopathy of Prmaturity** *Retinopathy of Prematurity*
Gaynon, M., Stevenson, D., Sunshine, P., Fleisher, B.
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- **FLUORESCINATED DEXTRANS AS MARKERS OF RETINAL NEOVASCULAR MEMBRANES**
CLAIBORNE, D., Gaynon, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.1992: 1082-82
- **SUSTAINED-RELEASE OF GANCICLOVIR FROM POLY (ORTHO ESTER) POLYMER**
Gaynon, M., Heller, J., Wuthrich, P.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.1991: 883-83

- **BACTEROIDES-FRAGILIS ENDOPHTHALMITIS - A CASE-REPORT** *CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTHALMOLOGIE*
Kelly, L. D., Gaynon, M.
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Gaynon, M. W.
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- **RETINAL FOLDS IN THE SHAKEN BABY SYNDROME** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
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- **VISUAL ELECTRICAL EVOKED-POTENTIALS - EVALUATION OF OCULAR INJURIES** *NEUROLOGY*
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Heller, J., Ng, S., Penhale, D., Fritzinger, B., Sanders, L., Burns, R., Gaynon, M., Bhosale, S.
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- **4-PORT BIMANUAL VITRECTOMY** *ARCHIVES OF OPHTHALMOLOGY*
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- **Sustained Release of Fluorouracil by Ethylene Vinyl Acetate Copolymer in a Fibroblast Model of Proliferative Vitreoretinopathy** *Modern Concepts in Vitreoretinal Diseases*
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DHARLINGUE, A. E., Gaynon, M., MALACHOWSKI, N., Stevenson, D. K., Sunshine, P.

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- **TRAUMA-INDUCED ENDOPHTHALMITIS CAUSED BY ACINETOBACTER-ANITRATUS** *BRITISH JOURNAL OF OPHTHALMOLOGY*
Mark, D. B., Gaynon, M. W.
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- **DOWNS-SYNDROME - 10-YEAR GROUP STUDY** *ANNALS OF OPHTHALMOLOGY*
Gaynon, M. W., SCHIMEK, R. A.
1977; 9 (12): 1493-1497